1. Multiply and Simplify

$$\frac{m^{2}-n^{2}}{4m+4n}∙\frac{m+n}{m-n}$$

2. Multiply and Simplify.

$$\frac{x^{2}-16}{x^{2}}∙\frac{x^{2}-4x}{x^{2}-x-12}$$

3. Multiply and Simplify.

$$\frac{x^{2}-2x-35}{2x^{3}-3x^{2}}∙\frac{4x^{3}-9x}{x^{3}-3x^{2}}$$

4. Divide and Simplify.

$$\frac{x^{2}-4}{x^{3}}÷\frac{x^{5}-2x^{4}}{x+4}$$

5. Divide and Simplify.

$$\frac{y^{3}+3y}{y^{2}-9}÷\frac{y^{2}+5y-14}{y^{2}-y-12}$$

6. Divide and Simplify.

$$\frac{a^{3}+4a}{a^{2}-16}÷\frac{a^{2}+8a+15}{a^{2}+a-20}$$